

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028597.D
 Acq On : 10 May 2022 16:22
 Operator : JC/MD
 Sample : PB144702ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#11

Quant Time: May 11 07:01:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

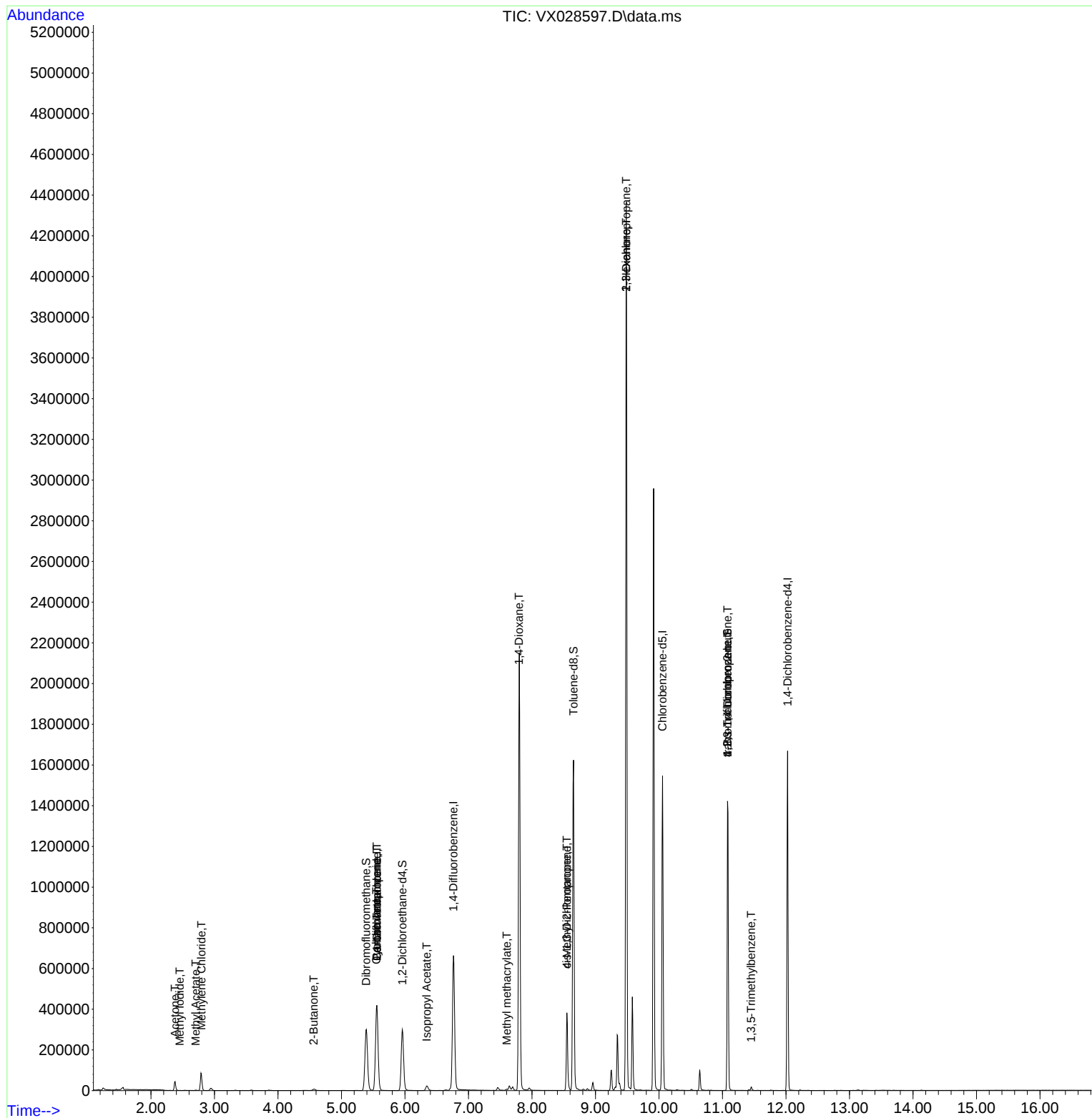
Internal Standards						
1) Pentafluorobenzene	5.556	168	418867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	711937	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	708436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	342070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	282712	51.764	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.520%			
35) Dibromofluoromethane	5.385	113	262103	52.497	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.000%			
50) Toluene-d8	8.653	98	983024	51.263	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.520%			
62) 4-Bromofluorobenzene	11.079	95	365695	49.875	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.760%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	353	Below Cal	#	42
5) Bromomethane	1.612	94	790	Below Cal		99
6) Chloroethane	1.709	64	1106	Below Cal	#	67
8) Diethyl Ether	2.130	74	141	Below Cal		55
10) Methyl Iodide	2.453	142	233	5.279	ug/l #	70
11) Tert butyl alcohol	2.941	59	6400	Below Cal	#	74
16) Acetone	2.380	43	45662	26.123	ug/l	98
18) Methyl Acetate	2.703	43	2392	0.493	ug/l	100
20) Methylene Chloride	2.794	84	38921	9.605	ug/l	96
25) 2-Butanone	4.562	43	9206	2.846	ug/l	96
31) Cyclohexane	5.550	56	7570	1.138	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	29036	4.458	ug/l #	49
38) Carbon Tetrachloride	5.556	117	39577	5.383	ug/l #	16
43) Isopropyl Acetate	6.342	43	31390	2.919	ug/l	98
48) Methyl methacrylate	7.604	41	8467	1.715	ug/l #	7
49) 1,4-Dioxane	7.793	88	364	2.756	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	120128	17.406	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	64247	8.002	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	41828	4.816	ug/l #	43
59) 2-Hexanone	9.482	43	457002	85.484	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	182519	27.112	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	7545	0.378	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	182519	80.568	ug/l #	15

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
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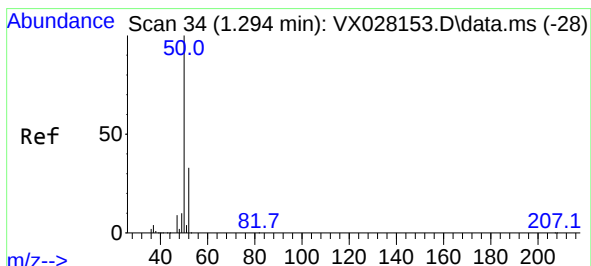
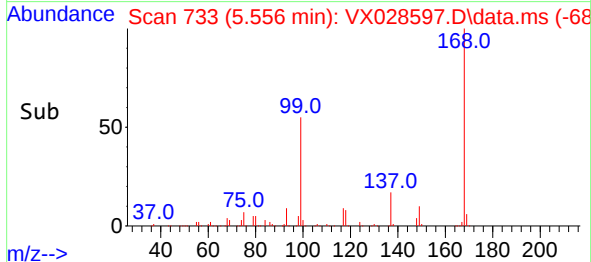
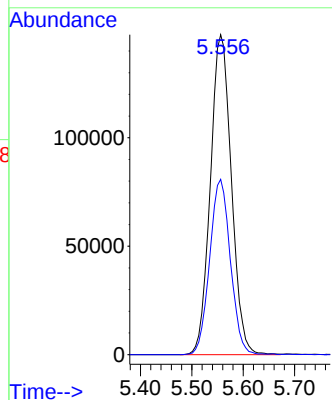
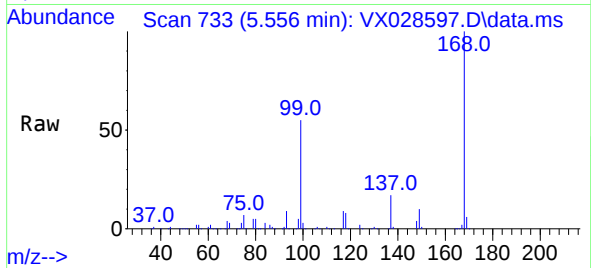




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

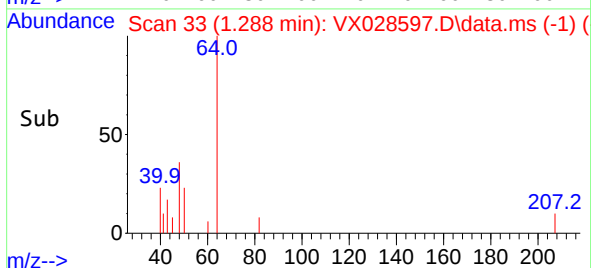
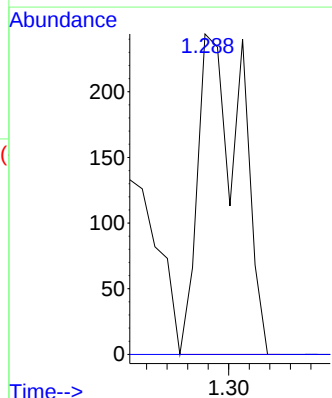
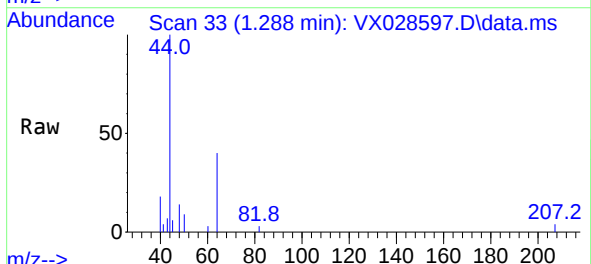
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#11

Tgt Ion:168 Resp: 418867
Ion Ratio Lower Upper
168 100
99 54.8 41.7 62.5

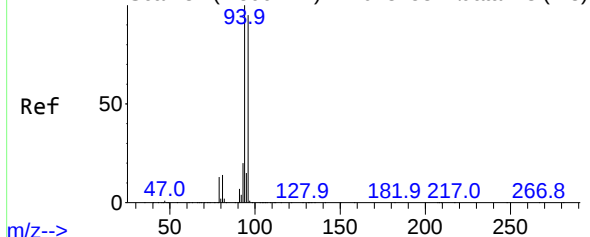


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

Tgt Ion: 50 Resp: 353
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



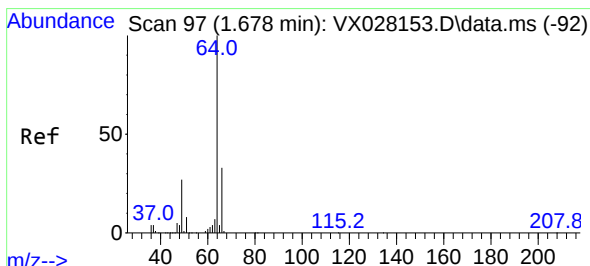
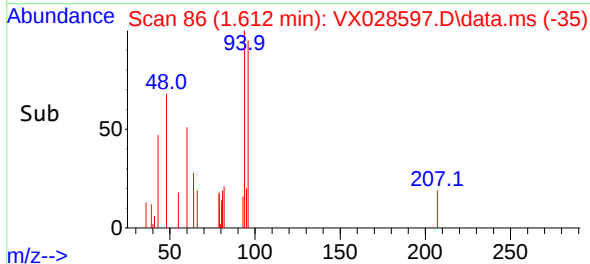
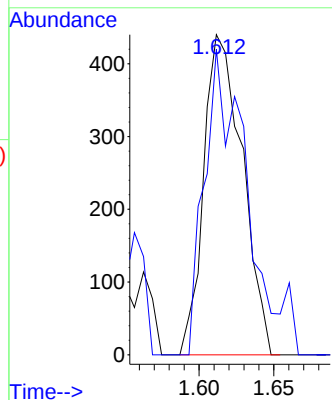
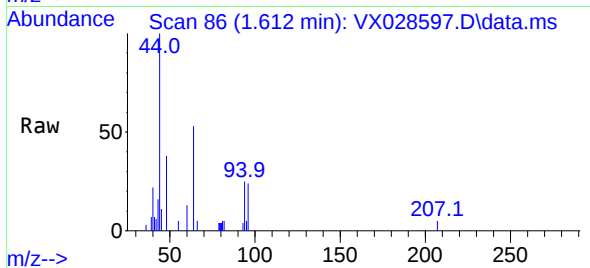
Abundance Scan 84 (1.599 min): VX028153.D\data.ms (-78)



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

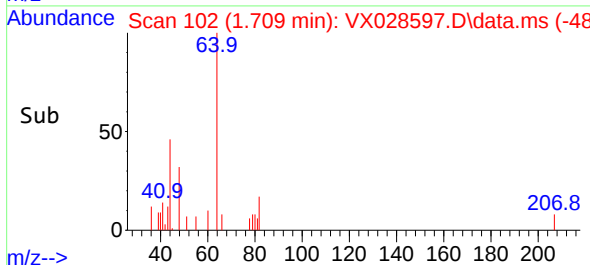
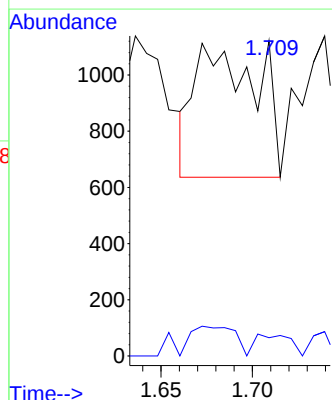
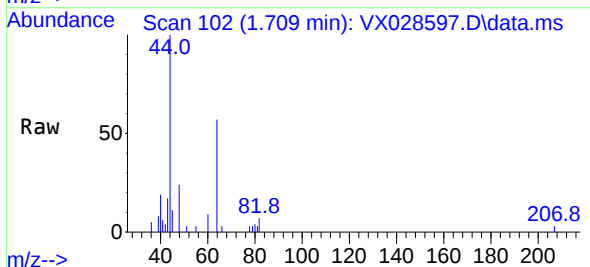
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#11

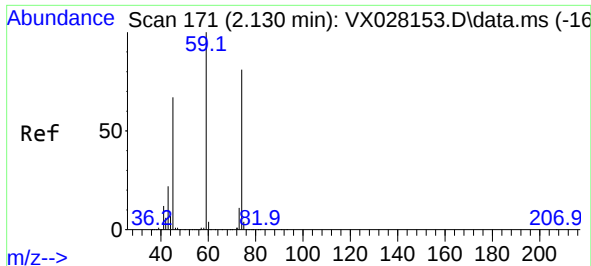
Tgt Ion: 94 Resp: 790
Ion Ratio Lower Upper
94 100
96 95.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.709 min Scan# 102
Delta R.T. 0.031 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

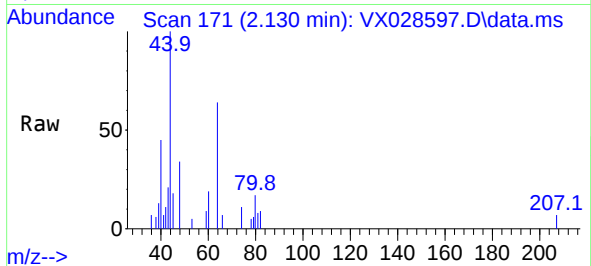
Tgt Ion: 64 Resp: 1106
Ion Ratio Lower Upper
64 100
66 13.4 25.3 37.9#



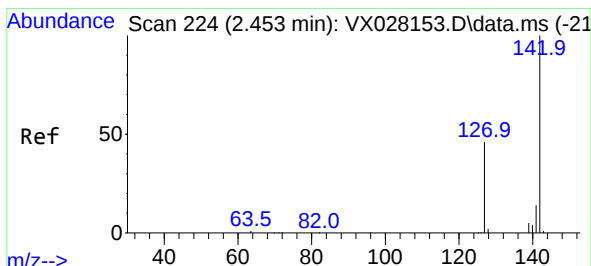
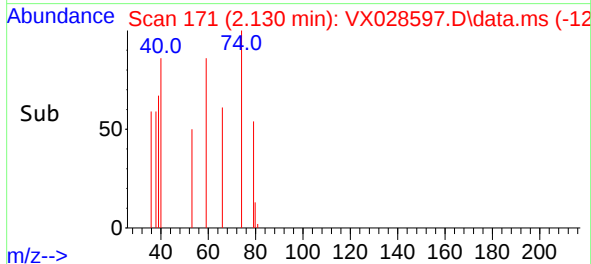
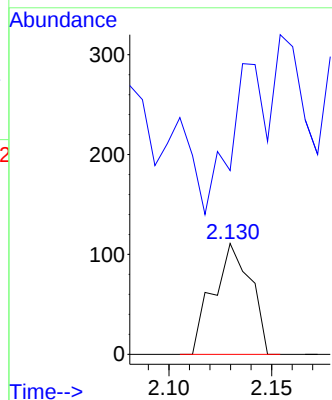


#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#11

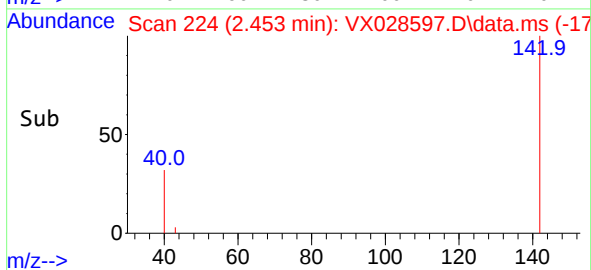
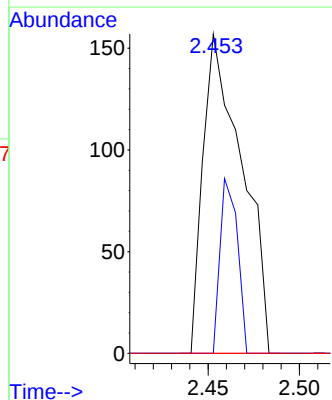
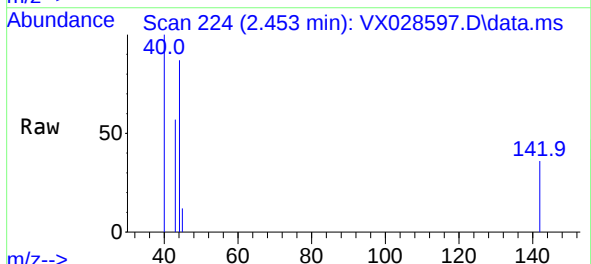


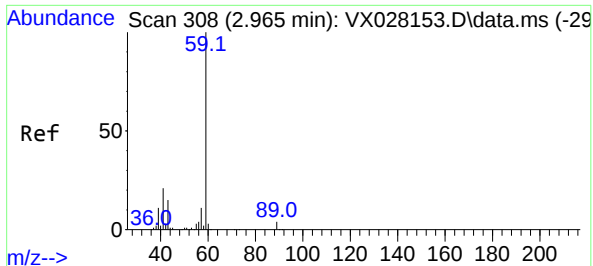
Tgt Ion: 74 Resp: 141
Ion Ratio Lower Upper
74 100
45 124.8 42.0 126.0



#10
Methyl Iodide
Concen: 5.279 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

Tgt Ion: 142 Resp: 233
Ion Ratio Lower Upper
142 100
127 24.5 33.9 50.9#
141 0.0 11.4 17.2#

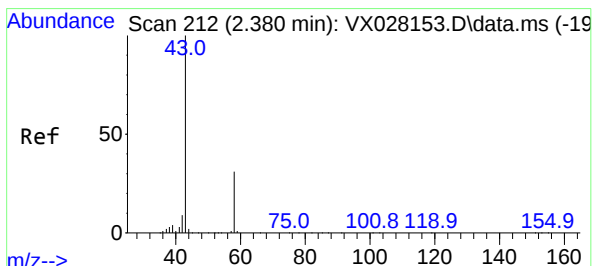
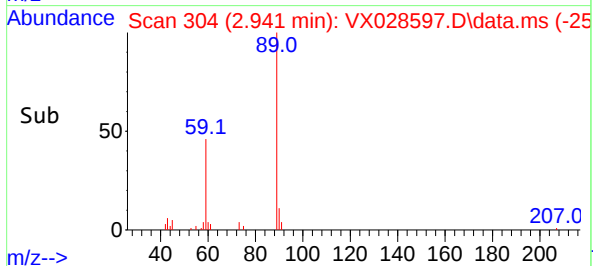
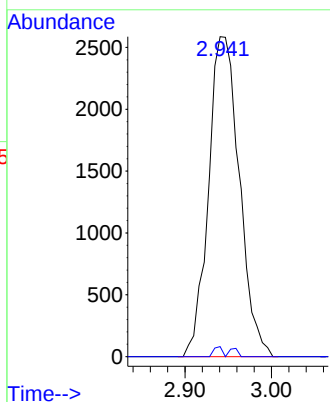
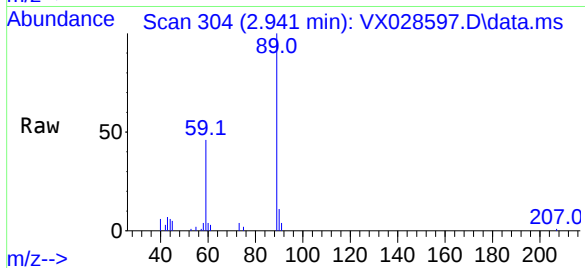




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

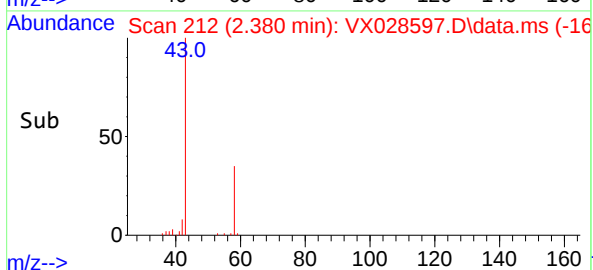
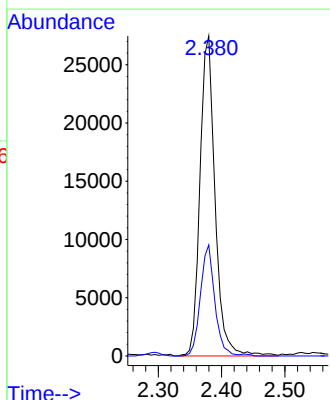
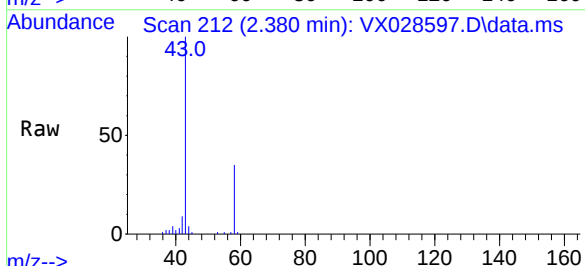
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#11

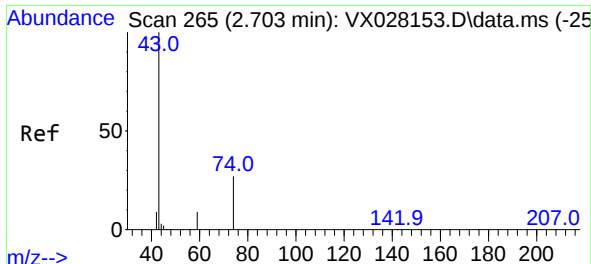
Tgt Ion: 59 Resp: 6400
Ion Ratio Lower Upper
59 100
57 0.9 8.3 12.5#



#16
Acetone
Concen: 26.123 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

Tgt Ion: 43 Resp: 45662
Ion Ratio Lower Upper
43 100
58 34.7 28.8 43.2

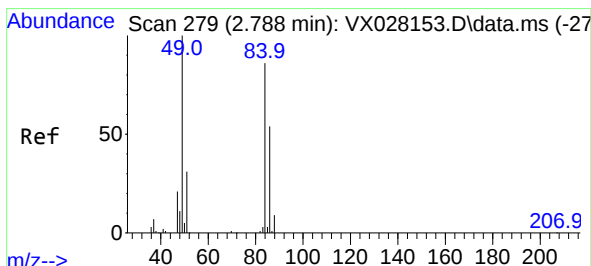
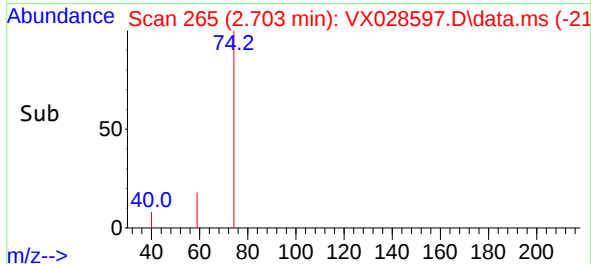
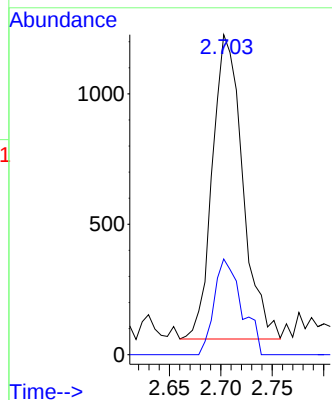
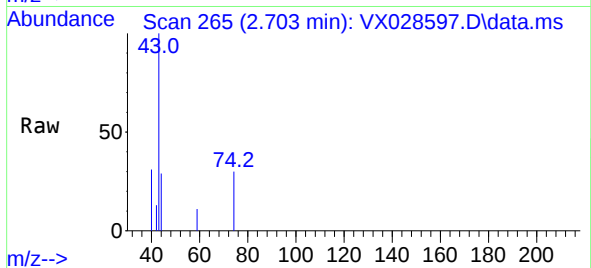




#18
Methyl Acetate
Concen: 0.493 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

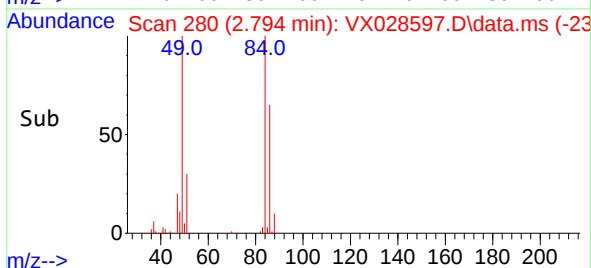
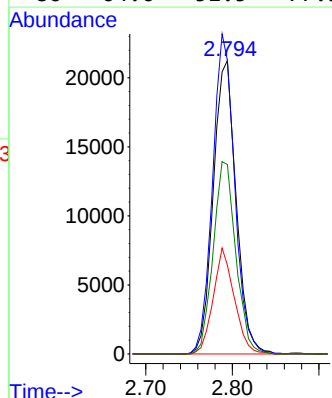
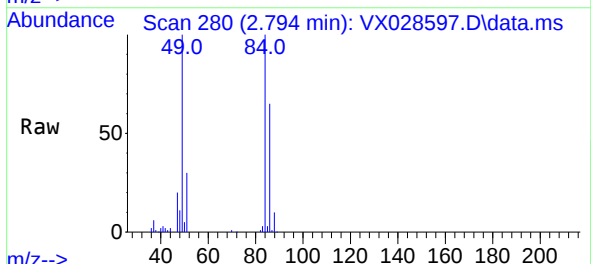
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#11

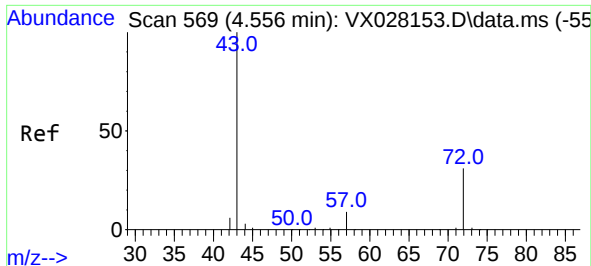
Tgt Ion: 43 Resp: 2392
Ion Ratio Lower Upper
43 100
74 28.5 22.8 34.2



#20
Methylene Chloride
Concen: 9.605 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

Tgt Ion: 84 Resp: 38921
Ion Ratio Lower Upper
84 100
49 100.0 85.5 128.3
51 30.3 26.6 39.8
86 64.6 51.5 77.3





#25

2-Butanone

Concen: 2.846 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX028597.D

Acq: 10 May 2022 16:22

Instrument :

MSVOA_X

ClientSampleId :

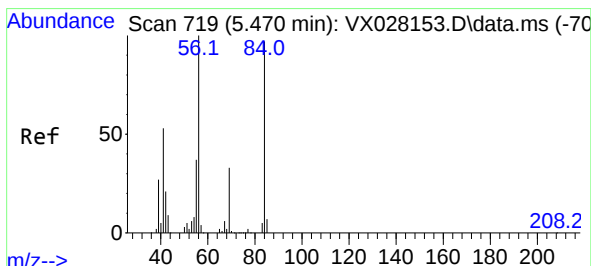
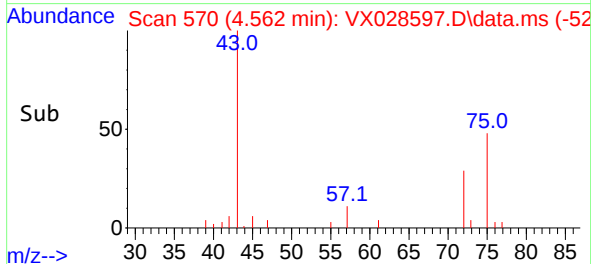
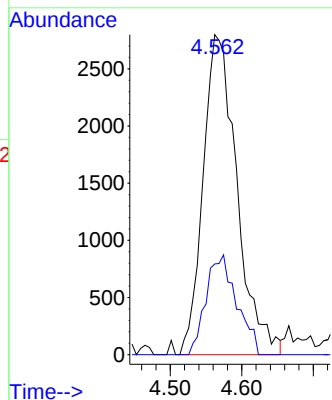
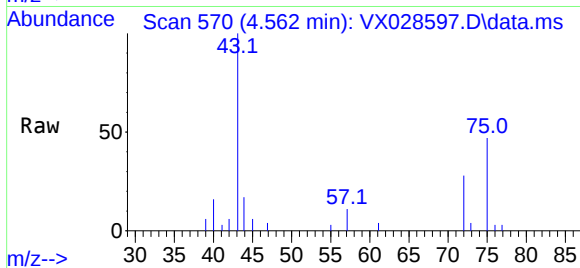
PB144702ZHE#11

Tgt Ion: 43 Resp: 9206

Ion Ratio Lower Upper

43 100

72 28.4 24.4 36.6



#31

Cyclohexane

Concen: 1.138 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028597.D

Acq: 10 May 2022 16:22

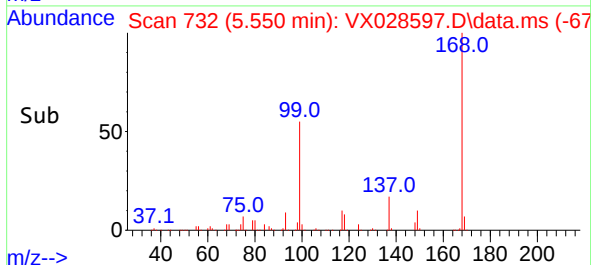
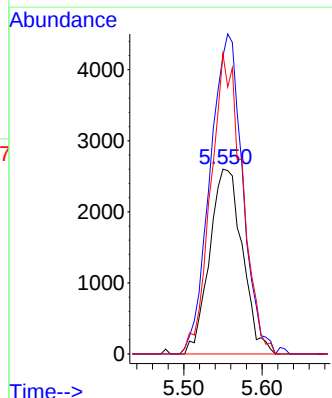
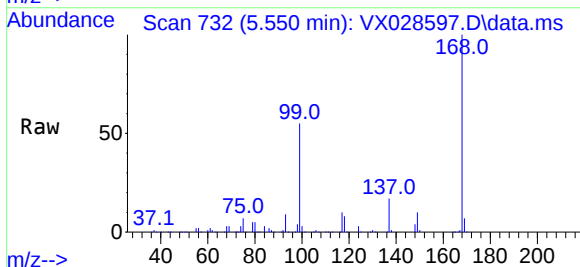
Tgt Ion: 56 Resp: 7570

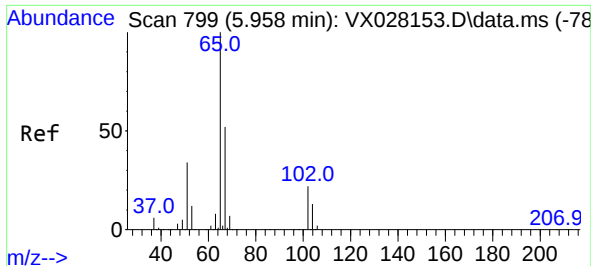
Ion Ratio Lower Upper

56 100

69 161.1 26.7 40.1#

84 162.4 77.2 115.8#

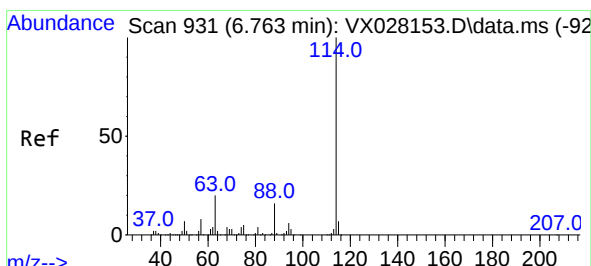
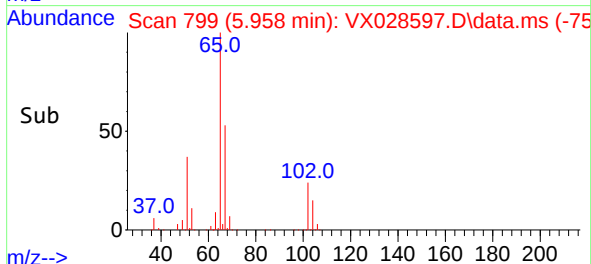
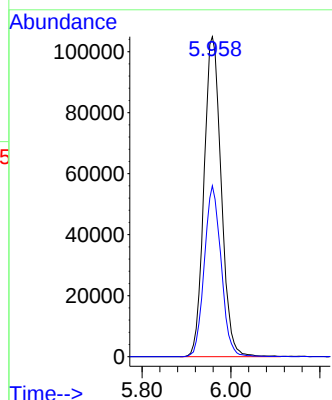
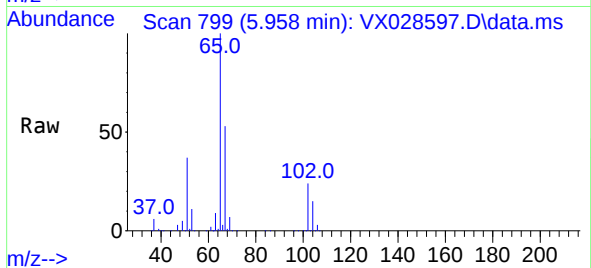




#33
 1,2-Dichloroethane-d4
 Concen: 51.764 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX028597.D
 Acq: 10 May 2022 16:22

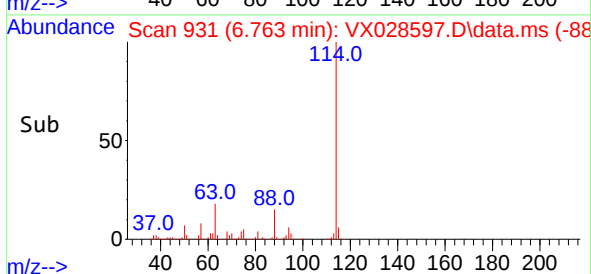
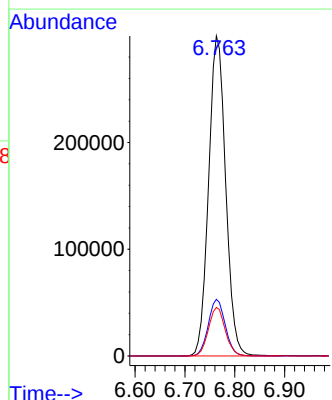
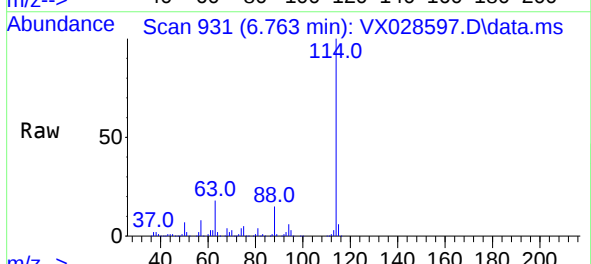
Instrument :
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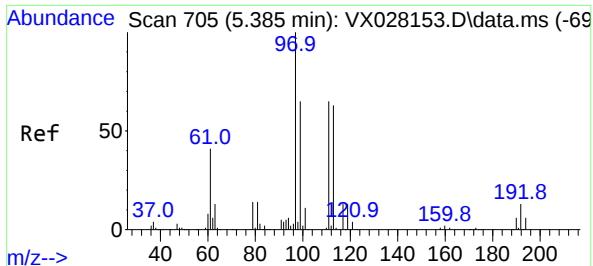
Tgt Ion: 65 Resp: 282712
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX028597.D
 Acq: 10 May 2022 16:22

Tgt Ion: 114 Resp: 711937
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.8
 88 15.2 0.0 32.4

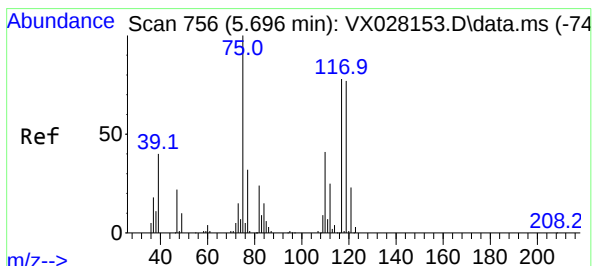
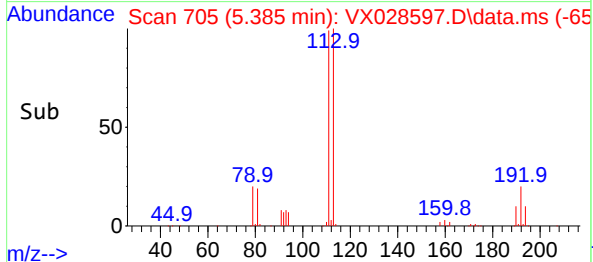
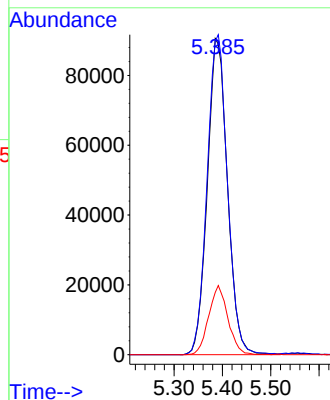
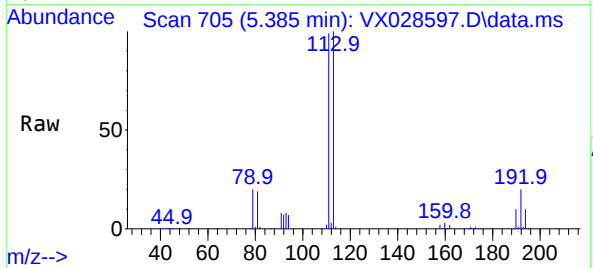




#35
Dibromofluoromethane
Concen: 52.497 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

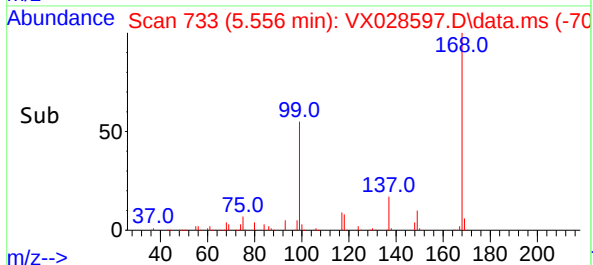
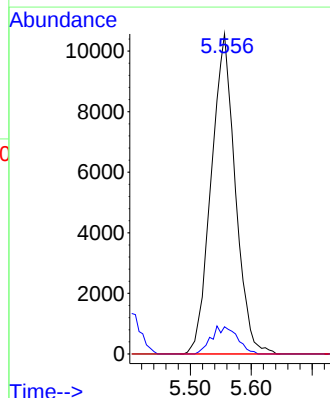
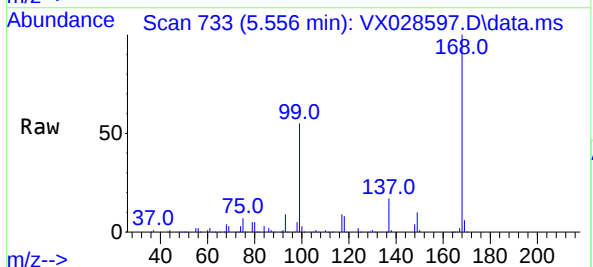
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#11

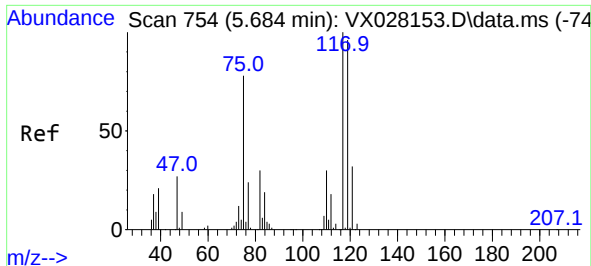
Tgt Ion:113 Resp: 262103
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.458 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

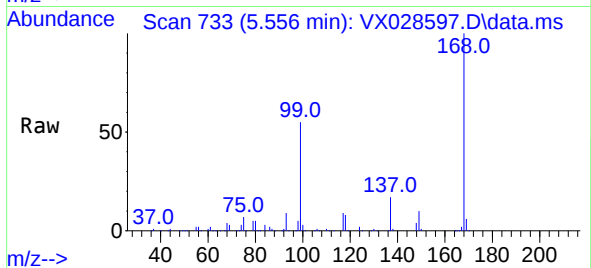
Tgt Ion: 75 Resp: 29036
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 24.8 37.2#



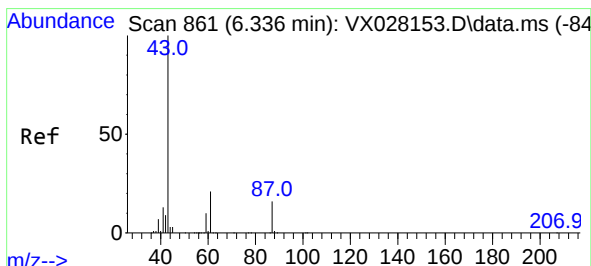
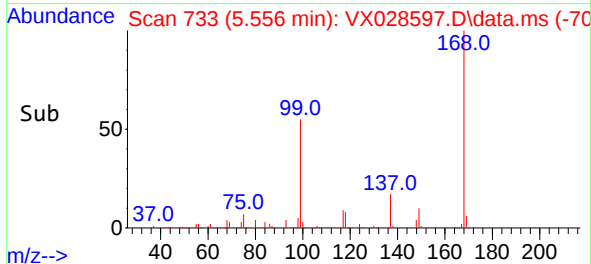
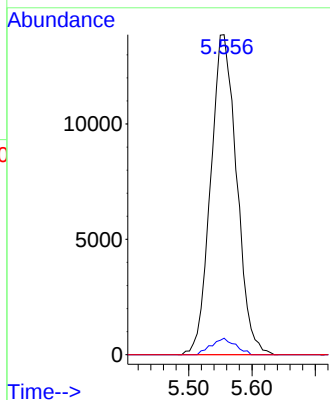


#38
Carbon Tetrachloride
Concen: 5.383 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#11

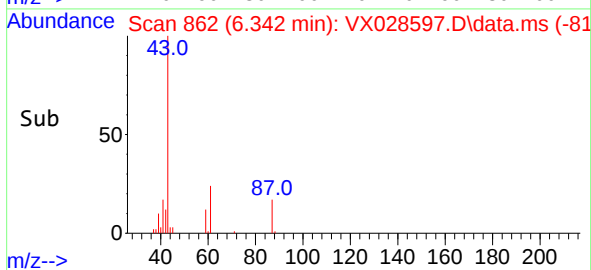
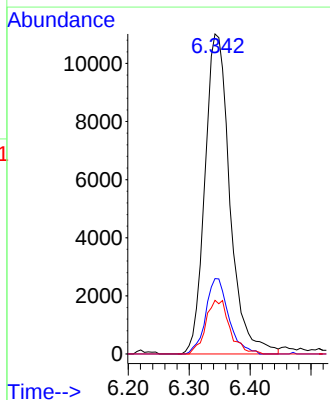
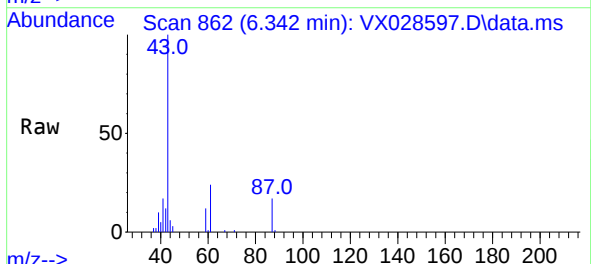


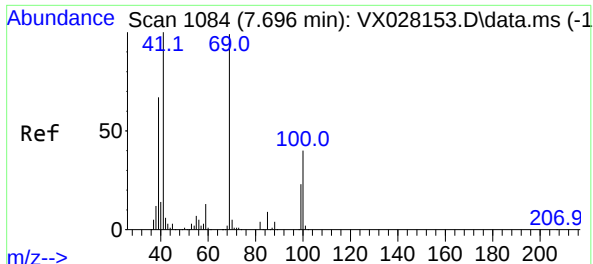
Tgt Ion:117 Resp: 39577
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.919 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

Tgt Ion: 43 Resp: 31390
Ion Ratio Lower Upper
43 100
61 21.6 18.5 27.7
87 16.2 13.0 19.6





#48

Methyl methacrylate

Concen: 1.715 ug/l

RT: 7.604 min Scan# 1100

Delta R.T. -0.092 min

Lab File: VX028597.D

Acq: 10 May 2022 16:22

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#11

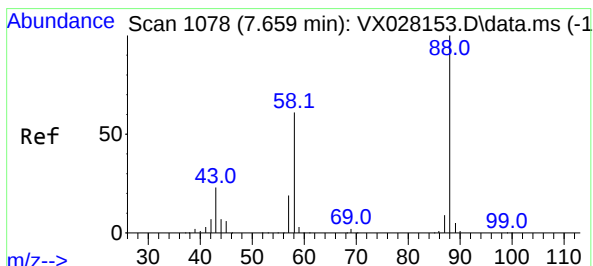
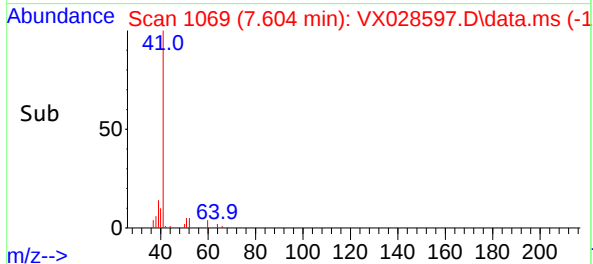
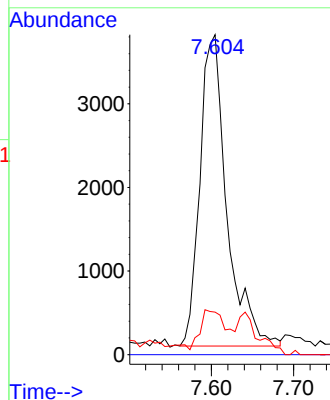
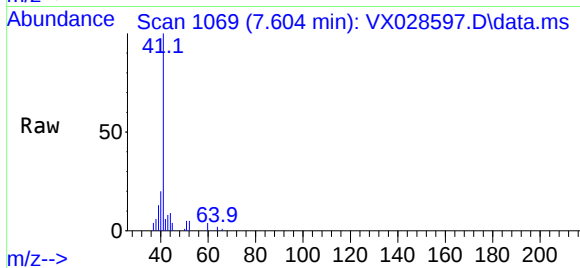
Tgt Ion: 41 Resp: 8467

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#



#49

1,4-Dioxane

Concen: 2.756 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028597.D

Acq: 10 May 2022 16:22

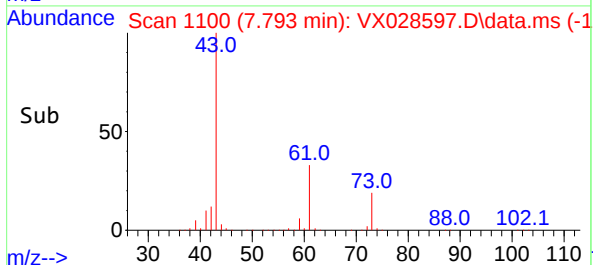
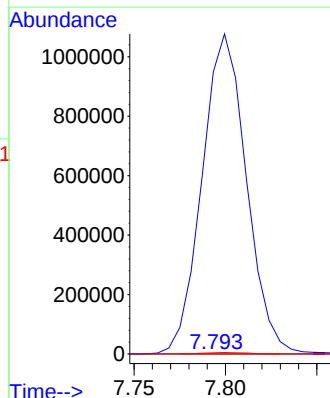
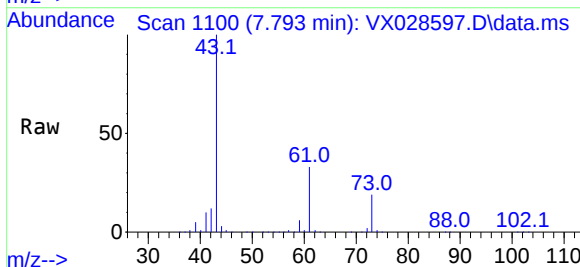
Tgt Ion: 88 Resp: 364

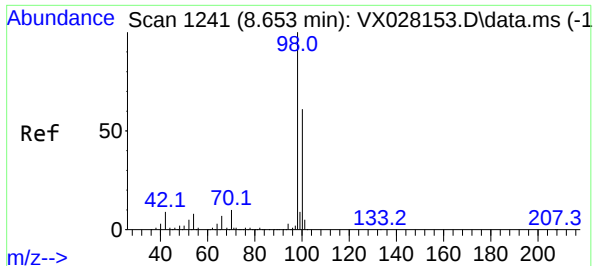
Ion Ratio Lower Upper

88 100

43 503007.1 21.9 32.9#

58 2327.5 53.7 80.5#

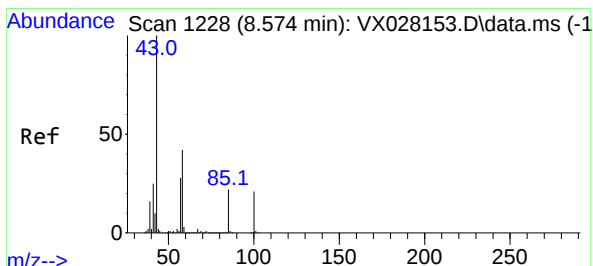
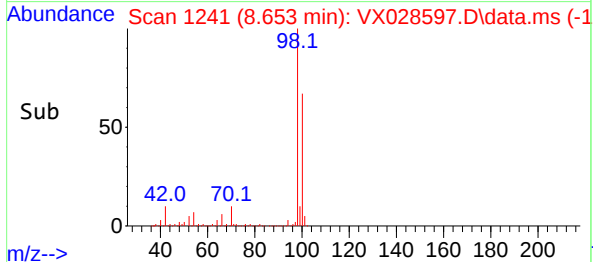
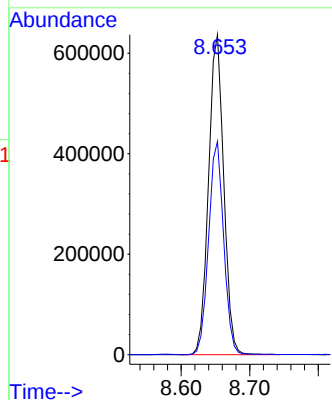
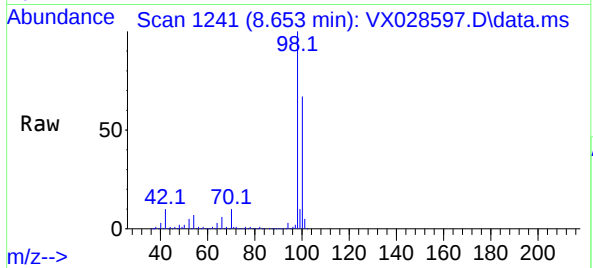




#50
Toluene-d8
Concen: 51.263 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

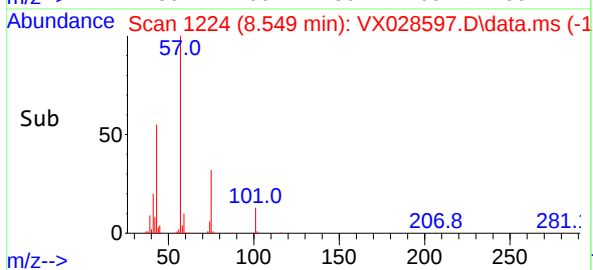
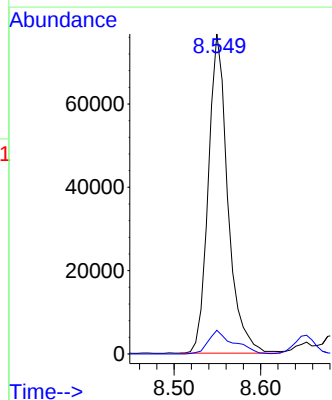
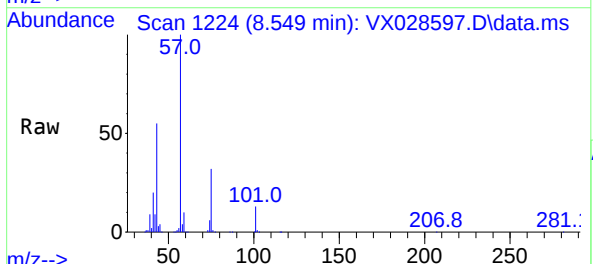
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#11

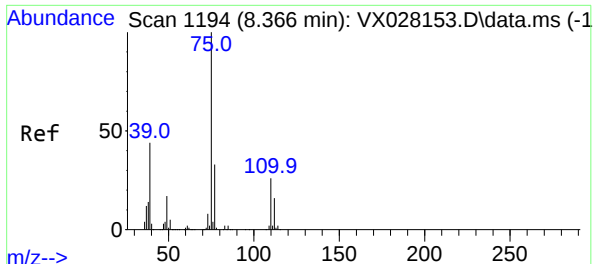
Tgt Ion: 98 Resp: 983024
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.406 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

Tgt Ion: 43 Resp: 120128
Ion Ratio Lower Upper
43 100
58 9.5 36.1 54.1#





#54

cis-1,3-Dichloropropene

Concen: 8.002 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX028597.D

Acq: 10 May 2022 16:22

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#11

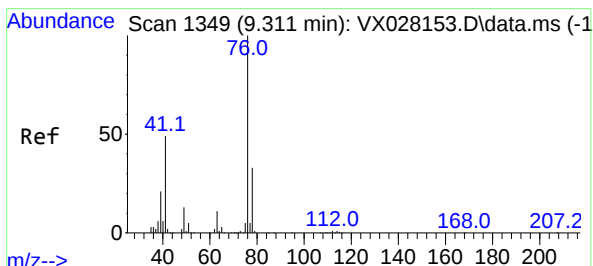
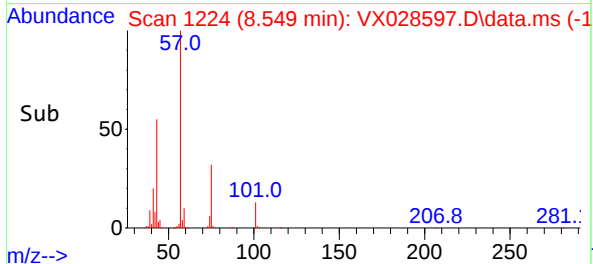
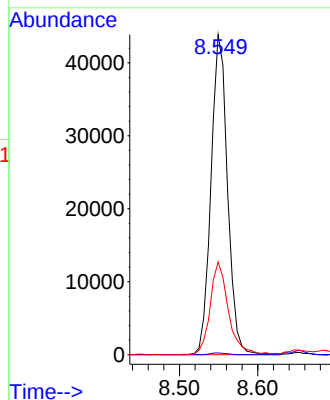
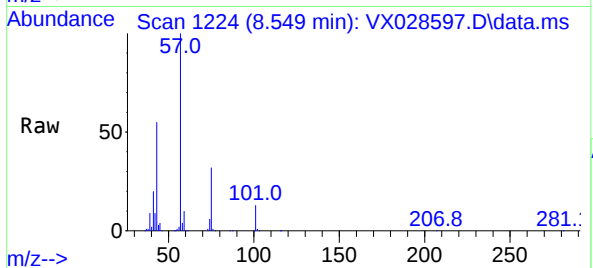
Tgt Ion: 75 Resp: 64247

Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 29.0 29.6 44.4#



#57

1,3-Dichloropropane

Concen: 4.816 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028597.D

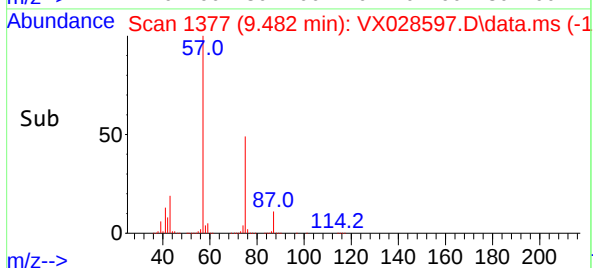
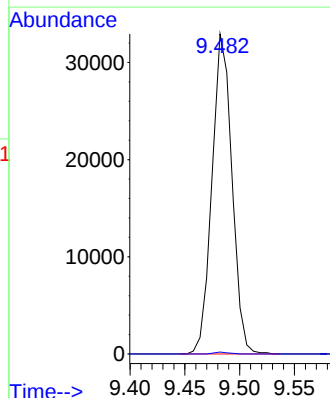
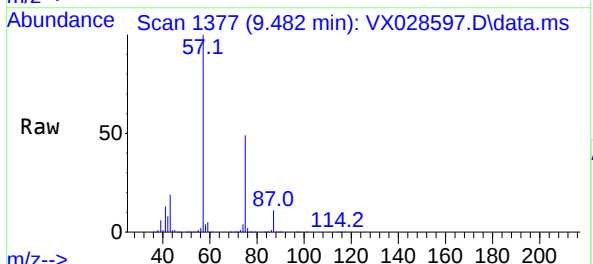
Acq: 10 May 2022 16:22

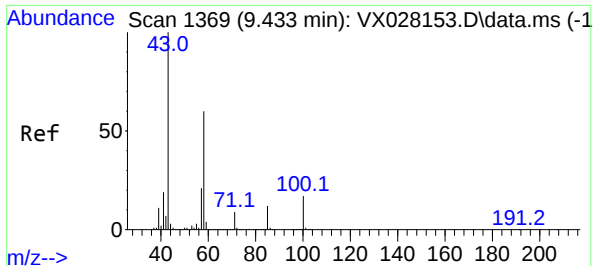
Tgt Ion: 76 Resp: 41828

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 85.484 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX028597.D

Acq: 10 May 2022 16:22

Instrument :

MSVOA_X

ClientSampleId :

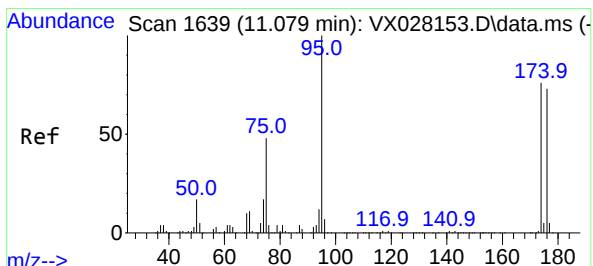
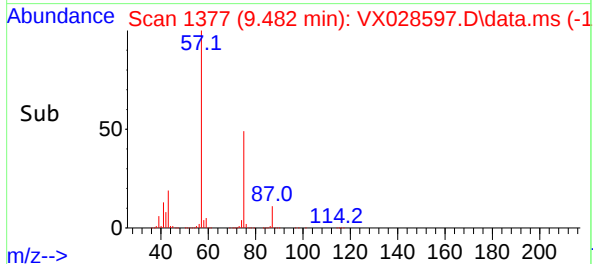
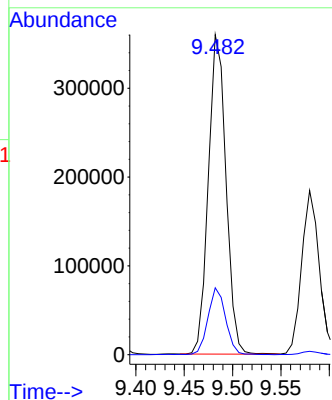
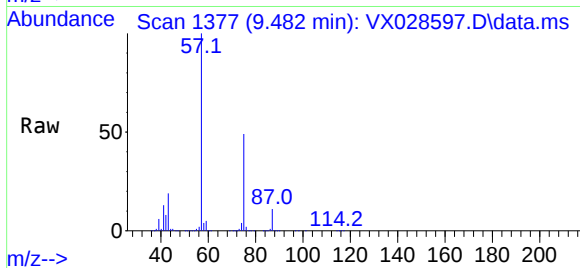
PB144702ZHE#11

Tgt Ion: 43 Resp: 457002

Ion Ratio Lower Upper

43 100

58 21.1 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 49.875 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028597.D

Acq: 10 May 2022 16:22

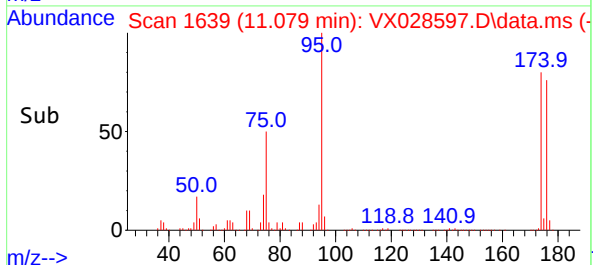
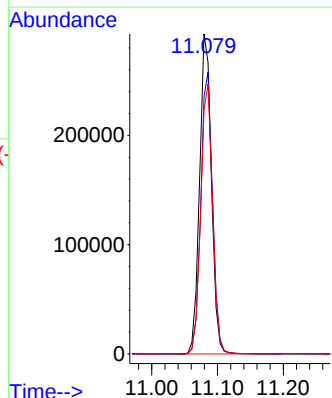
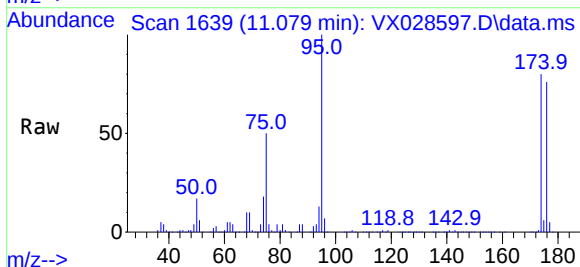
Tgt Ion: 95 Resp: 365695

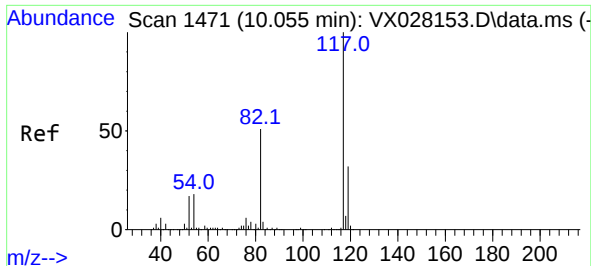
Ion Ratio Lower Upper

95 100

174 88.0 0.0 163.0

176 84.7 0.0 155.0

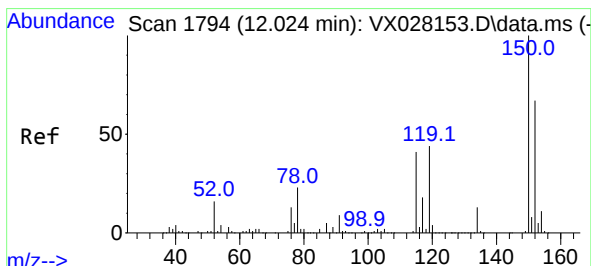
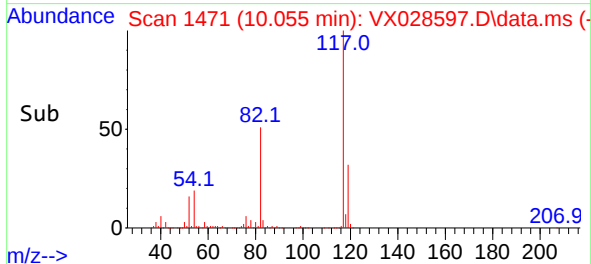
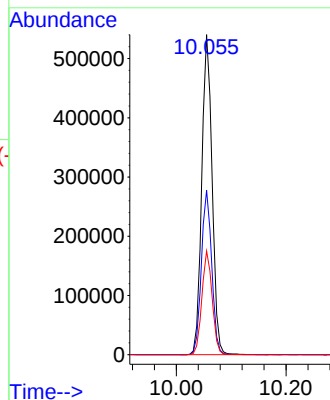
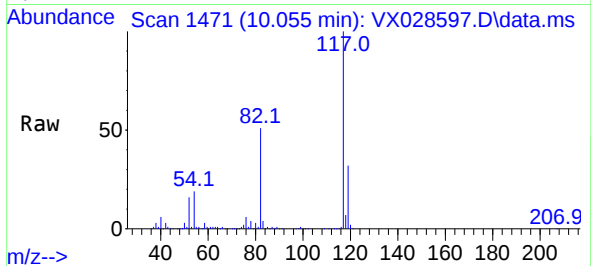




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

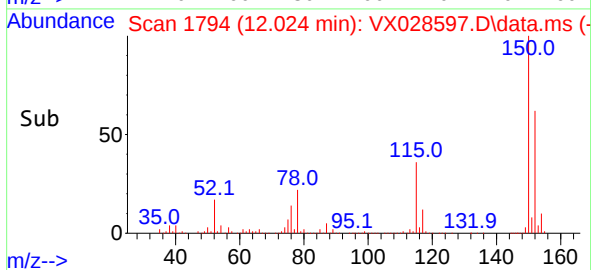
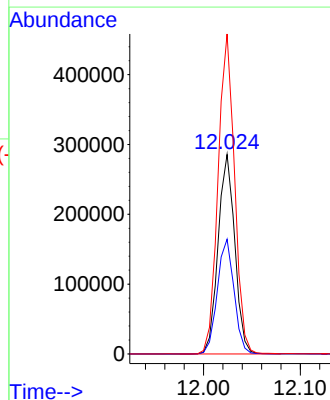
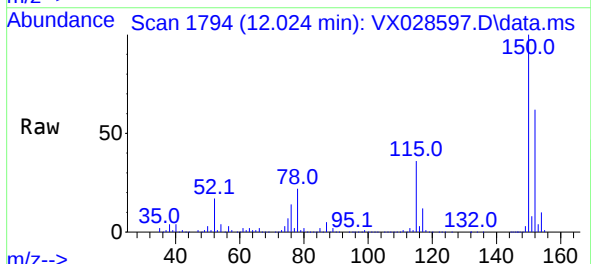
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#11

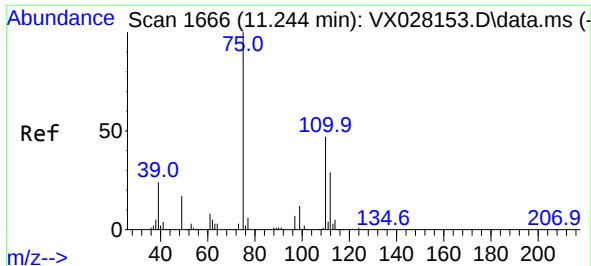
Tgt Ion:117 Resp: 708436
Ion Ratio Lower Upper
117 100
82 51.4 41.8 62.8
119 32.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

Tgt Ion:152 Resp: 342070
Ion Ratio Lower Upper
152 100
115 57.7 37.5 112.7
150 158.8 0.0 338.2

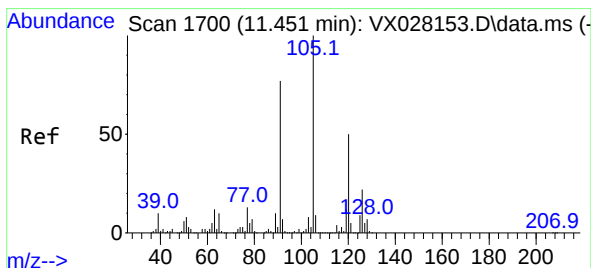
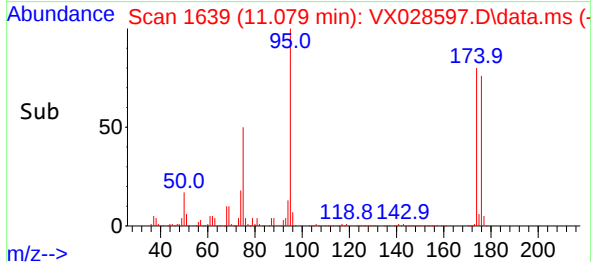
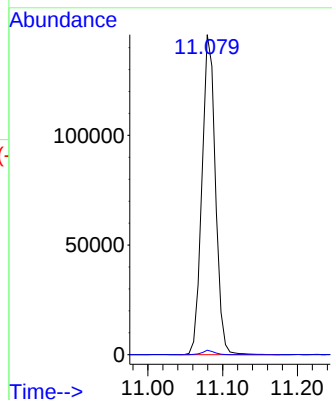
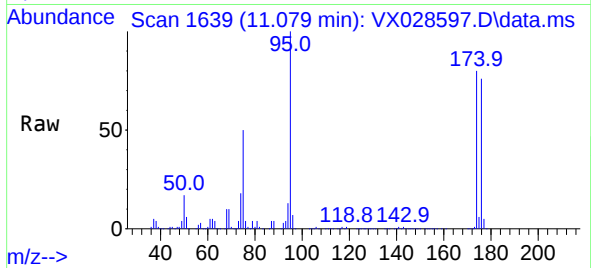




#76
1,2,3-Trichloropropane
Concen: 27.112 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

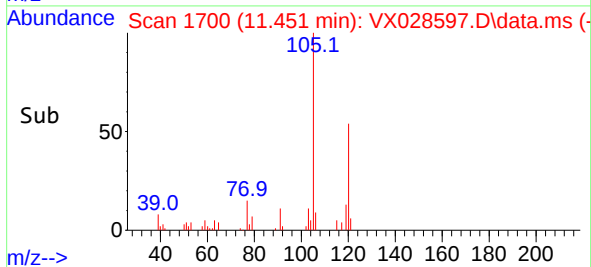
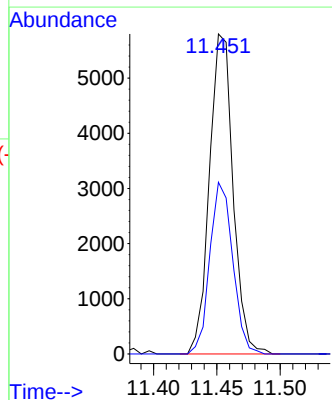
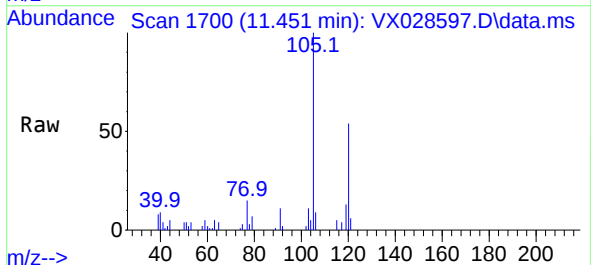
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#11

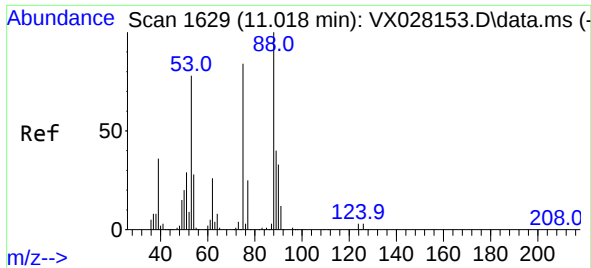
Tgt Ion: 75 Resp: 182519
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.378 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028597.D
Acq: 10 May 2022 16:22

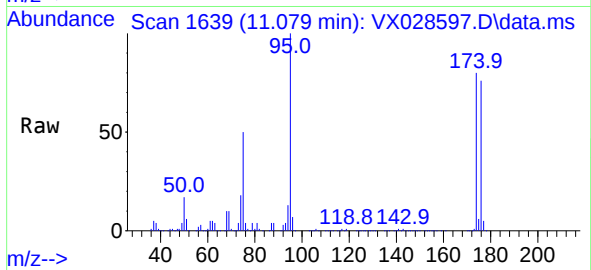
Tgt Ion:105 Resp: 7545
Ion Ratio Lower Upper
105 100
120 52.1 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.568 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028597.D
 Acq: 10 May 2022 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#11



Tgt Ion: 75 Resp: 182519
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

